



AL100 series Automatic Level



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The AL 200 series Automatic Level is designed for surveying, engineering and construction projects where higher accuracy is needed. Various magnification model (20x, 24x, 28x, 32x) can satisfy different survey demands.

Features

- Automatic leveling
- Stable air damping for compensator
- Temperature compensating (See Fig.1)

Specifications

	AL120	AL124	AL128	AL132
Standard deviation per 1km double run	±2.5mm	±2.0mm	±1.5mm	±1.0mm*
Telescope	Erect			
Image	Erect			
Magnification	20x	24x	28x	32x
Shortest focusing distance	≤0.6m	≤0.6m	≤0.8m	≤0.8m
Field of view at 100m	>3.2m	>3.2m	>2.6m	>2.6m
Multiplication constant	100	100	100	100
Additive constant	0	0	0	0
Free diameter of objective	36mm	36mm	40mm	40mm
Compensator	8'/2mm			
Working range	≥±15'	≥±15'	≥±15'	≥±15'
Setting accuracy (standard deviation)	<0.5"	<0.5"	<0.4"	<0.4"
Circular bubble	8'/2mm			
Horizontal Circle	360° or 400gon			
Graduation	1° or 1gon			
Interval	Flat and Dome			
Adoption (Base Plate)	W 5/8" (55°)			
Central fixing screw	IP55			
Others	-40°C to +75°C			
Storage temperature	-30°C to +50°C			
Operating temperature	IP55			
Water and dust resistance	2.0kg			
Weight without container	2.0kg	2.0kg	2.0kg	2.0kg

*Depending on staff and levelling technique



Carrying case and different color level

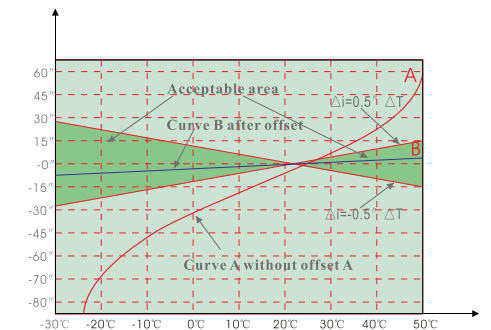


Fig.1 Theory diagram for temperature compensating of compensator

Optional Accessories



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